# COMPUTER-AIDED VISUALIZATION AND ANALYSIS SYSTEM FOR SEQUENCE EVALUATION

### ABSTRACT OF THE DISCLOSURE

5        A computer system for analyzing nucleic acid
sequences is provided.  The computer system is used to perform
multiple methods for determining unknown bases by analyzing
the fluorescence intensities of hybridized nucleic acid
probes.  The results of individual experiments are improved by
10    processing nucleic acid sequences together.  Comparative
analysis of multiple experiments is also provided by
displaying reference sequences in one area and sample
sequences in another area on a display device.

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